



ASE5300-ME

SiPass®
integrated

Mifare encoding license

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- Complete encoding of Mifare Classic and Mifare DESFire EV1 cards
 - Configurable Mifare Classic and Mifare DESFire EV1 card-encoding profiles
 - Full read / write encryption key management

In many cases it is convenient to be able to use ID cards not only for access control but also for other applications. By using the Mifare encoding option, cards used for other applications, such as cashless payment for goods or food within company facilities, for example, can also be used for access control.

Features

- Mifare Classic and Mifare DESFire encoding compatible
- Encode access control information and information for third-party applications
- Support for multiple Mifare card profiles
- Assign different profiles to individual users
- Configure the information to be written to each sector / block for Mifare Classic or AID / FID for Mifare DESFire
- Write multiple sectors / blocks simultaneously
- Support for multiple data types and formats
- Ability to configure custom access control formats
- Complete read and write encryption key management

Description

The Mifare encoding functionality has been carefully engineered so that it can be easily integrated with the already popular card design and printing option in SiPass integrated. This means that you can encode Mifare cards on demand, complete with cardholder photograph, signature, and logo using a customized template for each cardholder enrolled in your system. You can also simply encode a Mifare card using an encoding reader.

SiPass integrated allows you to create an entire Mifare card profile. This profile includes a definition of the information that is to be encoded in each sector / block or AID / FID available on the Mifare card. Once a profile has been configured, it can be easily assigned to a cardholder's permanent record. Whenever that card is printed, or the option to encode the Mifare card using an encoding reader is chosen, the card is encoded with the data configured in that profile.

You decide the format of the information encoded on the card, the sector to which it is encoded and the exact bits to be used to hold the information. You can also take the information directly from a SiPass integrated cardholder field, including custom fields.

SiPass integrated also allows you to read card numbers pre-encoded onto a Mifare card. By simply using an encoding reader, the number stored on a Mifare card can be read, and automatically assigned to a cardholder. This avoids the unnecessary manual entry of long card numbers, which could easily lead to operator error and wasted time.

SiPass integrated also provides the tools necessary to manage the secure keys for each sector on a Mifare card. This provides you with the power to define both a Key A and Key B for each sector and then set the conditions of the key, whether it is used to read or write data to the card. This provides a highly secure environment to protect data encoded onto your cards. Mifare DESFire EV1 card provides extra security allowing you to select the type of the encryption.

SiPass integrated allows you define the format of the data encoded for access control purposes. You can select one of the standard access control formats supported by SiPass integrated, or additionally encode your own custom format. This includes the data length, company and facility code details, card number and length and the parity conditions, if required.

Specifications

Smart Cards Supported

Mifare compatible smart cards (Mifare Classic and Mifare DESFire EV1)

Supported Encoding Readers

Siemens AR6201-MX encoding reader
HID 6055B Smart Card Reader
GEMPLUS GCI680 Encoding Modules
HID OmniKey CardMan 5x21

Smart Card Formats Support for Access Control with SiPass integrated

Industry Standard Wiegand 26-bit
Mifare Facility (Siemens proprietary)
Wiegand 37-bit
CSN 32-bit
CSN 40-bit
UID 64-bit

System Requirements

One of the following core packages is required:

| Type | Part no | Designation |
|------------|---------------|----------------------------|
| ASL5000-SE | 6FL7820-8AA10 | SiPass integrated Standard |
| ASL5000-OA | 6FL7820-8AA20 | SiPass integrated Optima |

Details for ordering

To order the SiPass integrated software extensions, you must first complete a software license order form. Please contact your SiPass integrated supplier for further information.

| Type | Part no | Designation |
|------------|---------------|-------------------------|
| ASE5300-ME | 6FL7820-8AE20 | Mifare encoding license |

Issued by
Siemens AB
Security Products
International Headquarters
Englundavägen 7
SE-171 24 Solna
Tel. +46 8 629 0300

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